

FIGURE 1 – PRIOR ART

LAST MAILING
 Aug 14, 2000

Please bring entire bill if payment is made in person or return stub with your payment by mail.

08 2910 0318
 S

The Gas Company
 P O Box

081100BL-0168.035482 1 AV 0 243
 MARLIN BARRERA
 1257 W 41ST ST
 LOS ANGELES CA 90037-1705

Your Account Number
 078 405 8410 3

102 101

80 0784058410 00001597 37 0784058410 0000159737

103 104 101

Total Amount Due
 \$15.97
 Please Pay This
 Amount By 09/01/00

FIGURE 2 – PRIOR ART

Electric Company

025104183313070169440494084148114

Account Number	Service To	Amount Due	Amount Enclosed
HTC 71 69444-4	08/09/00	\$148 11	

R:1.3.327 1 AC 0.238 HMC003

DIANE M LEWIS
3701 LIZ DR
BAKERSFIELD CA 93312-2308

201

202

Box
Sacramento, CA
95899-7300

08/10

Please return this portion with your payment Thank you

08 251

FIGURE 3 – PRIOR ART

Return This Section With Your Payment

☐ YES! I want pipe protection at \$1.50 per month

22032107017 4500518

☐ Check for name address, phone corrections

***** AUTOCR **C037

|||||.....

JAMES BARBERA

191 ERIAL RD

PINE HILL, NJ 08021-4427

PD Box
Folsom, NJ 08037-6000

301

Past Due After Aug 12 2000 Please Pay \$45.00

FIGURE 4 - PRIOR ART

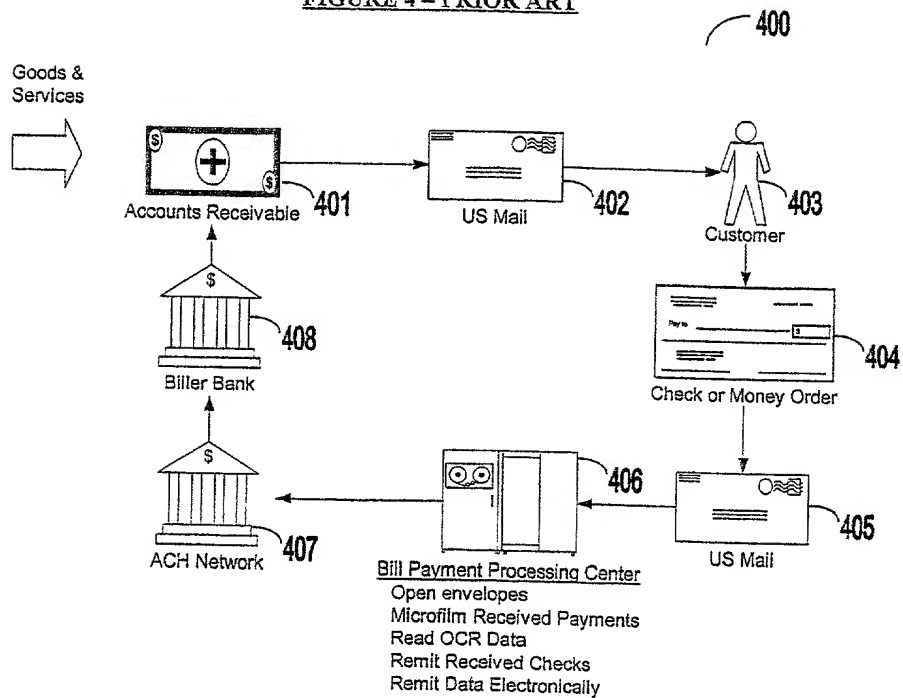
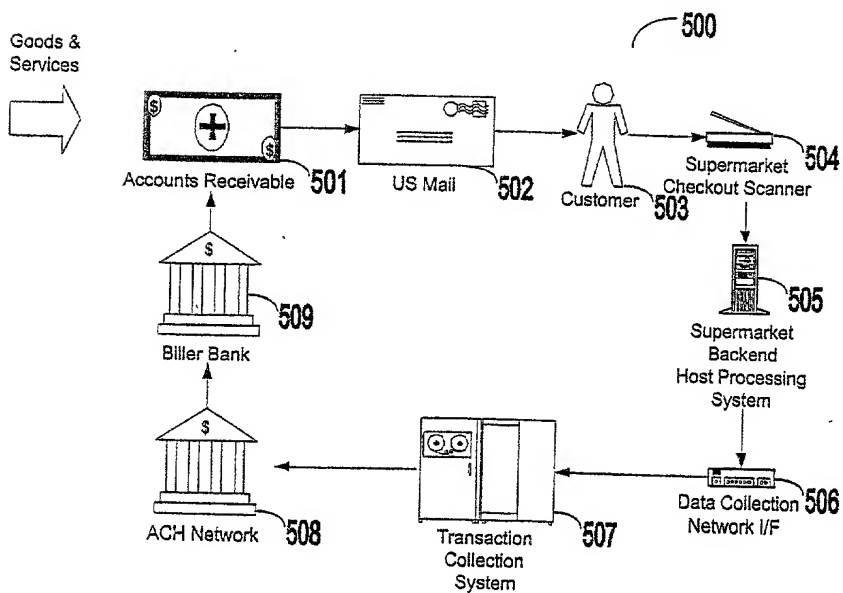


FIGURE 5



600

L1 Bar Code Symbology with Embedded Check Symbol ← 601
 L2 (fd) (.....data.....) (cd) ← 602
 L3 (fd) (.....data.....) (.....data.....) (cd) ← 603
 L4 (fd) (...data....) (cd) (fd) (.....data....) (.....data....) (cd) ← 604
 :
 Ln ← 605

700

L1 Bar Code Symbology with Embedded Check Symbol
L2 (.....data.....) (fd) (cd)
L3 (.....data.....) (.....data.....) (fd) (cd)
L4 (...data....) (fd) (cd) (.....data....) (.....data....) (fd) (cd)
:
Ln

LEVEL 1 ENVELOPE  **800**



FIGURE 9

LEVEL 2 ENVELOPE

130001735076405841036 3

900

Digit	Weight	Digit*Weight	Sum of Digits	Running Sum
1	1	1	1	1
3	3	9	9	10
0	1	0	0	10
0	3	0	0	10
0	1	0	0	10
1	3	3	3	13
7	1	7	7	20
3	3	9	9	29
5	1	5	5	34
0	3	0	0	34
7	1	7	7	41
6	3	18	9	50
4	1	4	4	54
0	3	0	0	54
5	1	5	5	59
8	3	24	6	65
4	1	4	4	69
1	3	3	3	72
0	1	0	0	72
3	3	9	9	81
6	1	6	6	87
3				

130001735076405841036 3

FIGURE 10

LEVEL 3 ENVELOPE

1000

Format Designator Value - 3

Example - 3 000173 5 0764058410 3 6

- 1 Digit Format Designator Value = 3 ← 1001
- 6 Digit Biller Identification Number ← 1002
- 1 Check Digit of preceding 6 digits using 371371 weights, MOD10 algorithm ← 1003
- Number of Components (1 Fixed Length (7), 1 Variable Length) (By Definition) ← 1004
- Customer Account Number with embedded (and known algorithm) check digit (3) ← 1005
- Calculated check digit of Level 3 data using 2121... weights, Split MOD10 algorithm (6) ← 1006

FIGURE 11

LEVEL 3 ENVELOPE

1100

Format Designator Value - 4

Example - 4 000173 5 0764058410 3 4

- 1 Digit Format Designator Value = 4 ← 1101
- 6 Digit Biller Identification Number ← 1102
- 1 Check Digit of preceding 6 digits using 371371 weights, MOD10 algorithm ← 1103
- Number of Components (1 Fixed Length (7), 1 Variable Length) (By Definition) ← 1104
- Customer Account Number with added check digit to be discarded before presentment to biller (3) ← 1105
- Calculated check digit of Level 3 data using 2121... weights, Split MOD10 algorithm (4) ← 1106

FIGURE 12

VALID ACCOUNT NUMBER

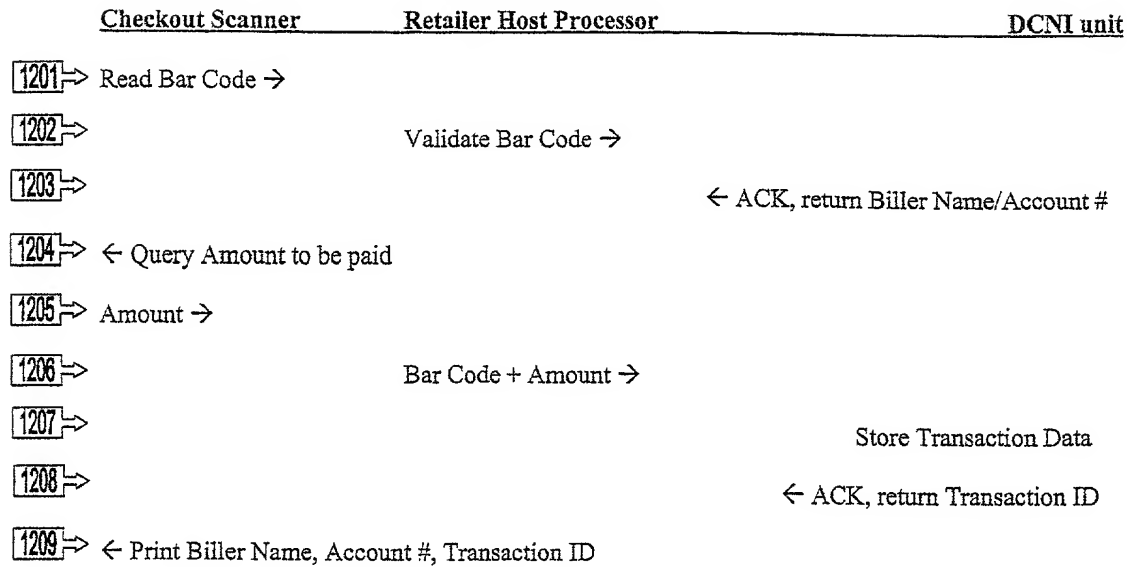


FIGURE 13

INVALID ACCOUNT NUMBER

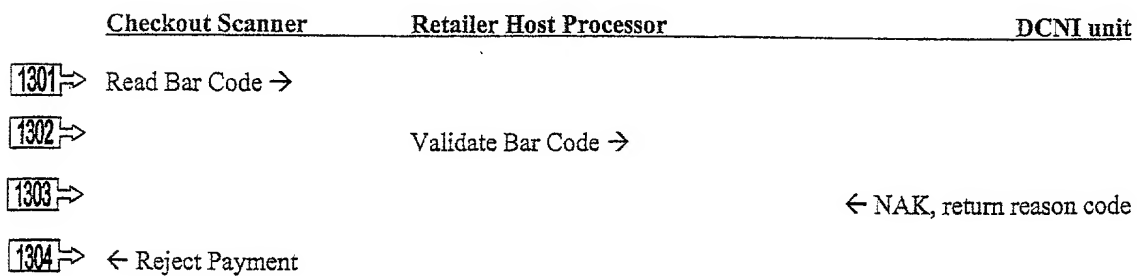


FIGURE 14

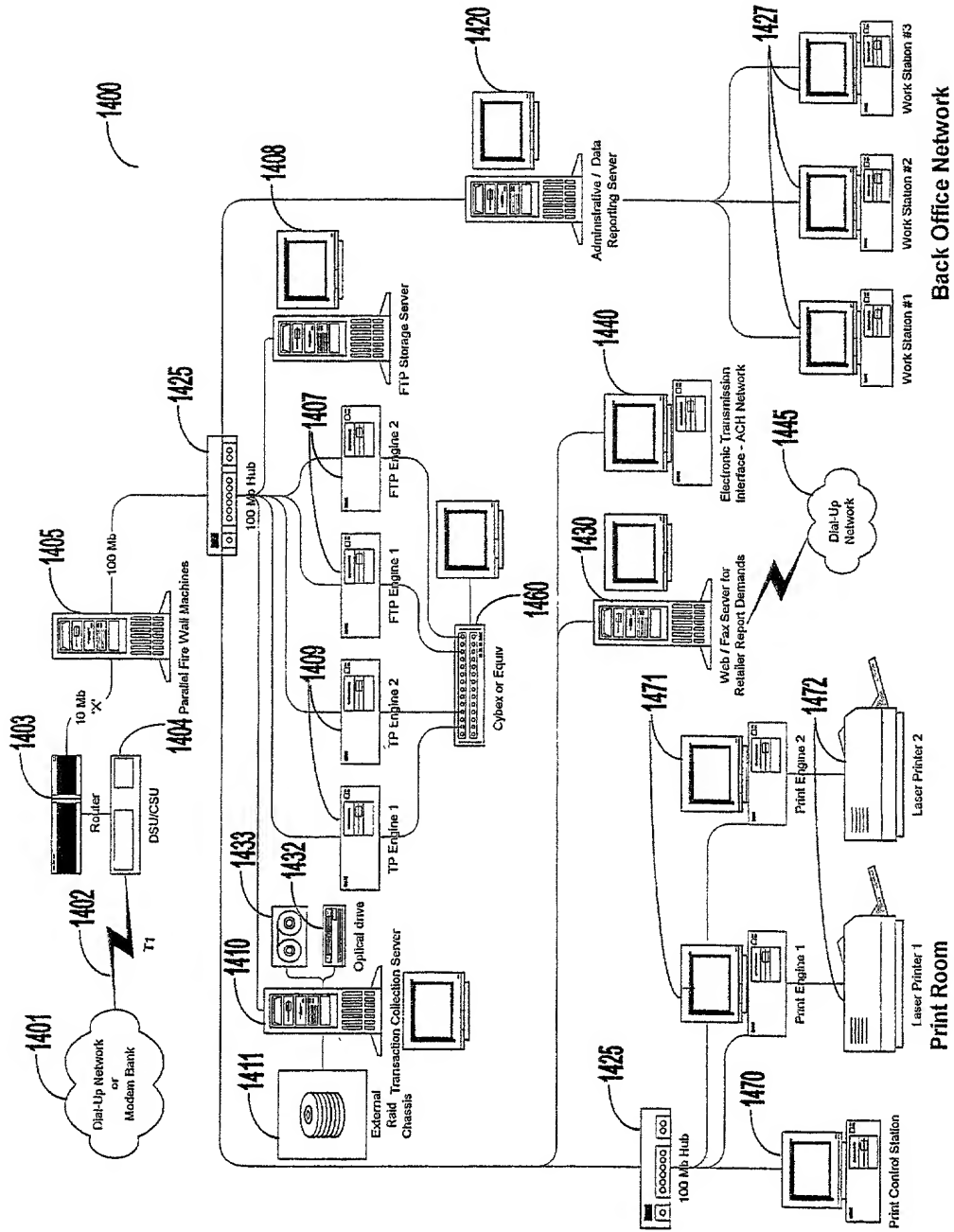


FIGURE 15

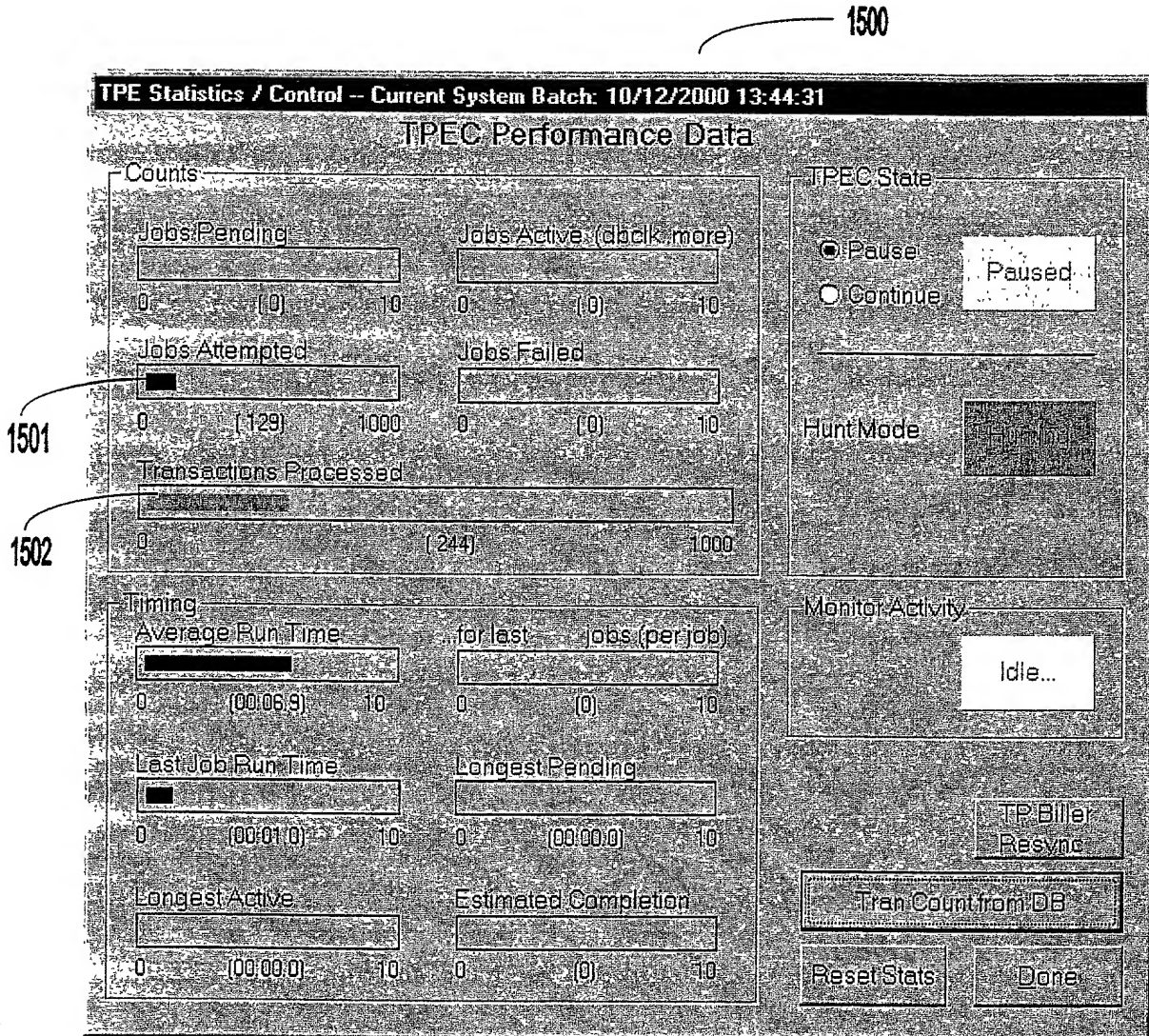


FIGURE 16

1600

SMS, Version: 1.48 6/22/00

Tools

Distributors 1601

ID	Name
5	Maine/NH
6	LA East
7	Las Vegas
8	Tenn/Miss
9	North Central Californ
10	New Mexico
11	LA West
12	NY/NJ

Sites/Agents 1602

Site	Agent Name
000012	New York / New Jers
000912	NY/NJ Training Term
147224	McDermott Pharmacy,
147231	C-Town Supermarket
147483	Hospital Pharmacy
147497	Communications of A
147511	CCP Check Cashing
147525	United Check Cashing
147595	United Ck Cashing -
147623	Roman Express Servi
147630	E & A Grocery
147644	United Check Cashing
147700	Amboy Check X Chang
147707	Marin Travel
147714	Express Check Cashi
147721	Express Check Cashi

Directory Structure

- z:\inetpub\ftproot
 - achdata
 - achreports
 - billspool.dir
 - commlogs
 - csxfer
 - distributor_1 1601
 - distributor_10
 - distributor_11
 - distributor_12
 - instructions
 - outbound
 - instructions 1602
 - site_000012
 - instructions 1603
 - site_000912
 - instructions
 - site_147224
 - instructions
 - site_147231
 - site_147483
 - site_147497
 - site_147511
 - instructions
 - site_147525
 - site_147595
 - site_147623

PT's Allowed: 17 PT's FTP Server Count: 2 CAES NUM INS 10/16/2000 6:53 AM

FIGURE 17

End of Batch Manager, Version: 1.42d-branch 8/14/00

System Batch:

Current Batch:

Next Batch:

Time Left: ☐ Hold ☐ Bollover Now

Manual Edit Counts

Closed Batch: ☐ Open Batch: ☐ Move pending manual edits to the next Batch

Consolidation

Phase:

Table:

Reporting

Report: ☐ Skip

Trimming

Phase:

Table:

Archiving

Check Printing

Checks/letter print:

The OS is collecting jobs waiting for the next rollover to occur

1802

[illegible]

1900

1904

1903

1902

1901

FIGURE 19

Electronic Transaction Detail -- 10/11/2000 13:35:00 -- MCRPS -- Total: 17,967.90					
Biller Name	Batch Number	Card Batch ID	Card ID	Account Number	Amount
Pacific Bell**Van Nuys	10/11/2000 14:27:13	14756020001011142713	67	3232355419925	28.92
Gas Company	10/11/2000 14:28:57	14942920001011140848	38	04142597006	62.74
Gas Company	10/11/2000 14:30:57	15169020001011143057	30	09212229000	52.57
Gas Company	10/11/2000 14:30:57	15169020001011143057	31	10472233278	22.09
Pacific Bell**Van Nuys	10/11/2000 14:32:27	15133320001011141214	37	3232343487096	83.51
Pacific Bell**Van Nuys	10/11/2000 14:32:27	15133320001011141214	38	3232330153356	16.47
Pacific Bell**Van Nuys	10/11/2000 14:32:27	15133320001011141214	39	3232345545400	43.11
Pacific Bell**Van Nuys	10/11/2000 14:37:08	15116520001011143708	23	3237213017757	26.15
Verizon**PO 30001	10/11/2000 14:37:08	15116520001011143708	24	012863119714133204	16.51
Gas Company	10/11/2000 14:39:13	14942920001011143913	39	13792569355	19.69
Gas Company	10/11/2000 14:39:13	14942920001011143913	41	11872366669	14.87
Pacific Bell**Van Nuys	10/11/2000 14:41:13	15241120001011130043	30	18460075338	25.92
Pacific Bell**Van Nuys	10/11/2000 14:41:13	15241120001011130043	31	3235664941063	23.30
Pacific Bell**Van Nuys	10/11/2000 14:41:31	15279620001011144131	26	7149721087141	134.83
Pacific Bell**Van Nuys	10/11/2000 14:41:31	15279620001011144131	27	7145422082046	78.45
Pacific Bell**Van Nuys	10/11/2000 14:41:31	15279620001011144131	28	7146670583861	34.92
Pacific Bell**Van Nuys	10/11/2000 14:42:52	15133320001011141214	40	3232354980440	59.21
Gas Company	10/11/2000 14:48:05	15206120001011144805	29	049800034310	5.89
Pacific Bell**Van Nuys	10/11/2000 14:48:05	15206120001011144805	28	3232222330254	27.25
Pacific Bell**Van Nuys	10/11/2000 14:48:05	15206120001011144805	30	3232222330254	170.62
Edison Company**Box 600	10/11/2000 14:50:57	15241120001011145057	40	145310983	17.98
Gas Company	10/11/2000 14:50:57	15241120001011145057	32	15810083004	9.45
Gas Company	10/11/2000 14:50:57	15241120001011145057	35	16150075766	51.70
Gas Company	10/11/2000 14:50:57	15241120001011145057	37	11100103701	47.93
LA Municipal Services**Box 10324	10/11/2000 14:50:57	15241120001011145057	41	023500083008	15.25
Pacific Bell**Van Nuys	10/11/2000 14:50:57	15241120001011145057	39	1089762100760009002501	137.22
Pacific Bell**Van Nuys	10/11/2000 14:50:57	15241120001011145057	33	3235835923416	30.67
Pacific Bell**Van Nuys	10/11/2000 14:50:57	15241120001011145057	36	3237525463426	29.25

11-03-00 11:00 AM 11/03/00

2000

FIGURE 20

2003

2002

2001

Map Biller to Partner

BillerID	BillerName	Cash Payment Method	Electronic Trading Partner	Memo Posting Partner
00111	Verizon**PO 30001	Electronic	MCRPS	USWest Memo Postings ...
00112	US West Communications**Phoenix	Electronic	USWest	
00130	Salt River Project	Electronic	Citibank (inactive)	
00134	Discover Private Issue**Box 7061	Electronic	Citibank	
00140	Pacific Bell**Van Nuys	Electronic	MCRPS	
00145	APS	Electronic	Citibank (inactive)	
00148	Central Maine Power	Electronic	CMP (Central Maine Pow...	
00160	American Express**Bx 2053, NY,NY	Electronic	Citibank (inactive)	
00161	Con Edison**PO 1702	Electronic	MCRPS	
00173	Gas Company	Electronic	Citibank	
00180	Edison Company**Box 600	Electronic	MCRPS	
00187	Northern Utilities, Inc.** PO 4320	Electronic	Citibank	
00190	Verizon**PO 4830	Electronic	Bel Atlantic, NJ	
00191	FSE&G**NJ	Electronic	Citibank	
00198	Discover Card**1730 South	Electronic	Citibank	
00201	Texaco**Tampa	Electronic	Citibank	
00209	Cablevision of NYC**Soundview Av	Electronic	Citibank	
00228	AT&T Universal Card Services**Columbus	Electronic	Citibank	
00256	PQ&E**Embarcadero Drive	Electronic	Citibank	
00261	Sprint **PO 52243	Electronic	Citibank	
00266	Cablevision of Long Island	Electronic	Citibank	
00279	PNM Electric & Gas Services	Electronic	PNM	
00285	Sprint **PO 650270	Electronic	Citibank	
00290	LA Municipal Services**Box 10324	Electronic	MCRPS	
00304	Bell Atlantic**28007	Electronic	Citibank	
00316	Pacific Bell **Sacramento	Electronic	Citibank	
00348	Discover Card** Box 105430	Electronic	MCRPS	
00362	American Express**Los Angeles	Electronic	Citibank (inactive)	

Electronic Partner

Change

Cancel

Electronic

Interval

Memo Posting Partner

Change

Cancel

Edit Biller
ACH Details

Close

Select: 00100: NorthEast Power and Light

[illegible]

FIGURE 22

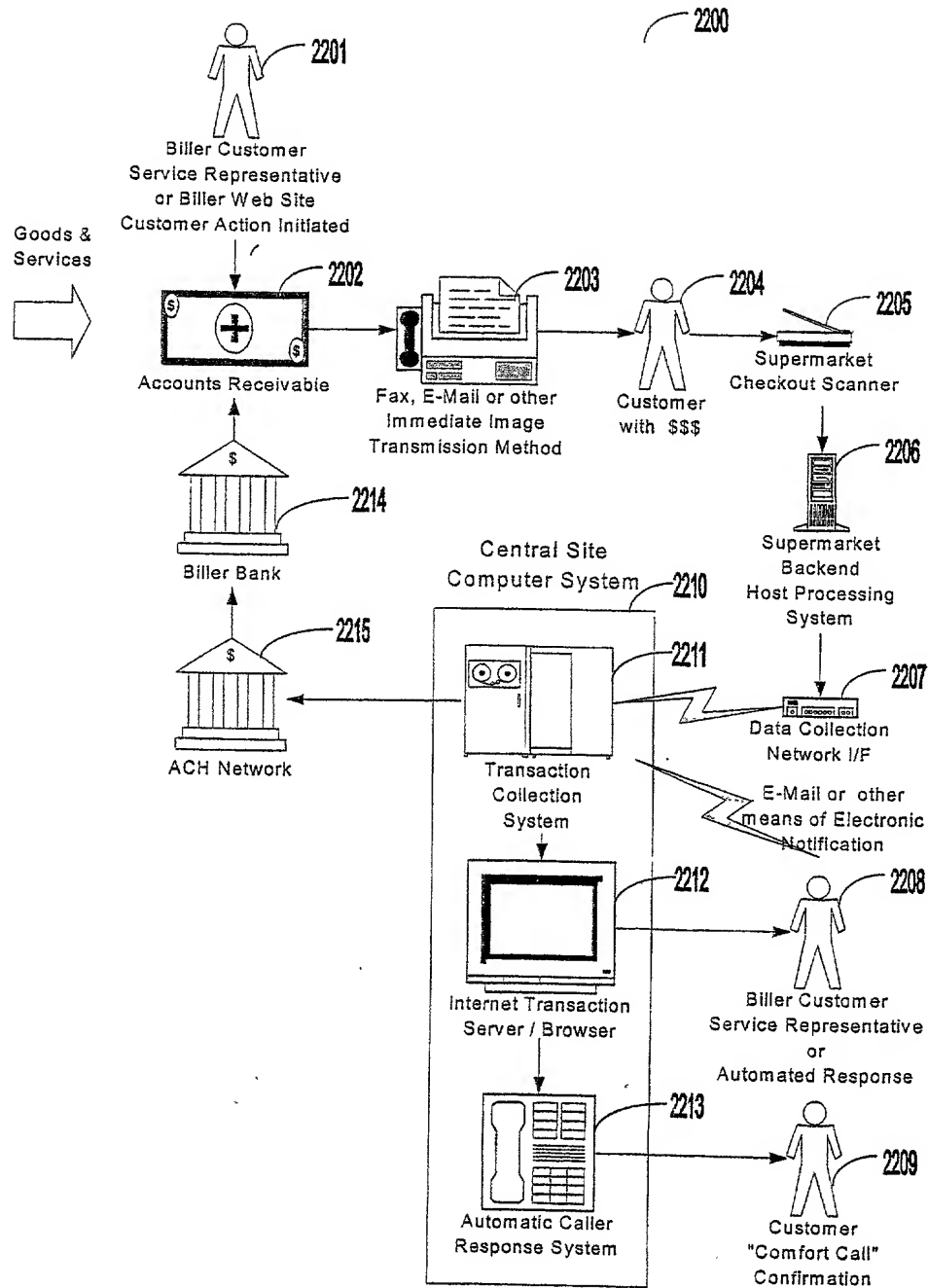


FIGURE 23

2300

Format Designator Value - 5 Example - 5 50 5 51066065 5 0766936692 4 4

1 Digit Format Designator Value = 5 ← 2301

Number of Components (2 Fixed Length (3,9), 1 Variable Length) (By Definition) ← 2302

2 Digit Payment Network Identification Number ← 2303

1 Check Digit of preceding 2 digits using 37 weights, MOD10 algorithm ← 2304

8 Digit ABA Number (51066065) ← 2305

1 Check Digit of preceding 8 digits using 37137137 weights, MOD10 algorithm ← 2306

Entire Customer Bank Account Number (5106606550766936692) using 1212... weights, Split MOD10 with added check digit to be discarded before presentment to the destination payment network (4) ← 2307

Calculated check digit of Level 3 envelope using 2121... weights, Split MOD10 algorithm (4) ← 2308

FIGURE 24

2401

2400

DEPOSIT TICKET

John Q Public
5 Mayberry Lane
MyTown, AR 00000

DATE _____
DEPOSITS MAY NOT BE AVAILABLE FOR IMMEDIATE WITHDRAWAL

DEPOSIT ONLY

SIGN HERE IF CASH RECEIVED FROM DEPOSIT

Bank of MyTownUSA

2550551066065507669366924498

CURRENCY _____ 0'0

COIN _____

CHECKS
LIST SEPARATELY _____

OR TOTAL FROM REVERSE _____

SUBTOTAL _____

LESS CASH
RECEIVED _____

NET
DEPOSIT _____

DO NOT USE FOR AUTOMATIC PAYMENT
CHECK TRANSACTION

15 10660655 0766936692

TO BE USED FOR DEPOSIT TRANSACTIONS ONLY. SUBMIT A VOIDED CHECK FOR AUTOMATIC PAYMENT SET UP.

FIGURE 25

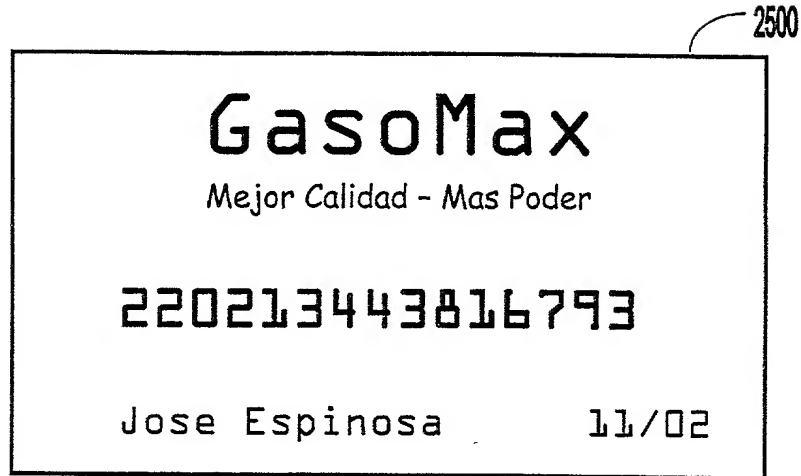


FIGURE 26

